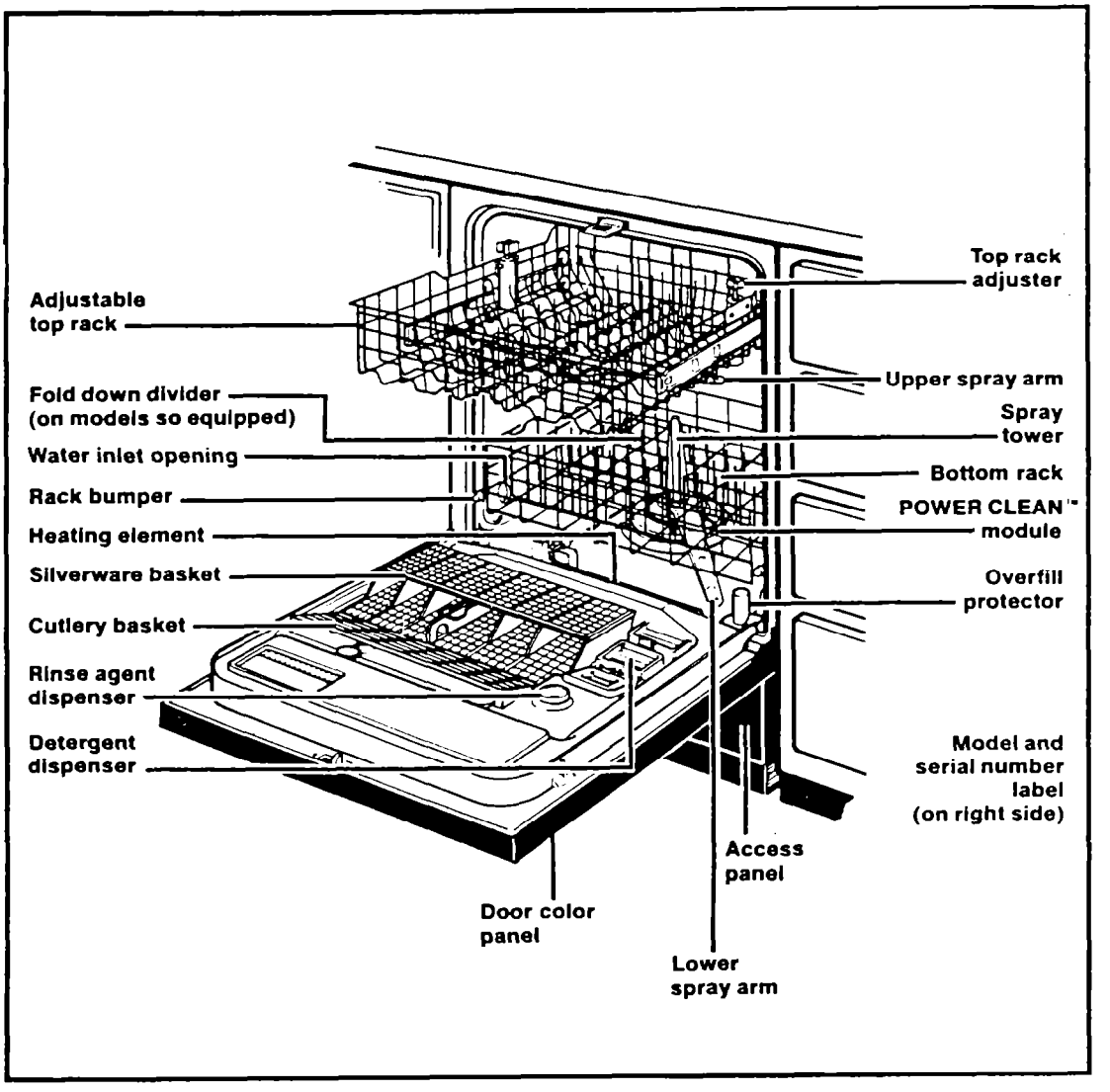
Whirlpool®
Home Appliances

Use & Care Guide



8900 SERIES DISHWASHERS

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Thank you for buying a Whirlpool appliance. Please complete and mail the Owner Registration Card provided with this product.
Then complete the form below. Have this information ready if you need service or call with a question.

- Copy model and serial numbers from label (see diagram on front cover) and purchase date from sales slip.
- Keep this book and sales slip together in a handy place.

Model Number

Serial Number

Purchase Date

Service Company Phone Number

If you need service, first see the "Service and Assistance" section of this book. After checking "Service and Assistance," additional help can be found by calling our Consumer Assistance Center telephone number, **1-800-253-1301**, from anywhere in the U.S.

It is your responsibility to be sure your dishwasher:

- Is installed by a qualified installer.
- Has been installed where it is protected from the elements.
- Has been installed on a floor strong enough to support its weight.
- Has been properly connected to electricity, water and drain.*
- Has been properly electrically grounded.
- Has had all hang tags and temporary labels removed.
- Is not used by children or anyone unable to operate it properly.
- Is properly maintained.

*See Installation Instructions for complete information.

Important Safety Instructions

⚠WARNING **To reduce the risk of fire, electrical shock, or injury when using your dishwasher, follow basic precautions including the following:**

- **Read all instructions before using the dishwasher.**
- Properly connect to electricity and water.
- **DISHWASHER MUST BE ELECTRICALLY GROUNDED.** Read the Installation Instructions for details.
- Be sure your dishwasher is installed on a level floor that will hold the weight, and in an area suitable for its size and use.
- When discarding an old dishwasher, always remove the door to prevent accidental entrapment or suffocation.
- **REMEMBER,** use your dishwasher only for the job it was designed to do.
- Store dishwasher detergent in a cool, dry place WHERE CHILDREN CAN'T REACH IT.
- Use **ONLY** detergents and rinse agents recommended for use in a dishwasher.
- Locate sharp items and knives so that they are not likely to damage door seal or cut the user.
- **DO NOT** let children play in or on the dishwasher.
- **DO NOT** reach into the area below the bottom rack until the heating element has cooled for at least 20 minutes.
- **DO NOT** wash plastic items unless marked "Dishwasher Safe" or the equivalent. If not marked, check manufacturer's recommendations.
- **DO NOT** use your dishwasher unless all enclosure panels are properly in place.
- **DO NOT** sit on, stand on or abuse the dishwasher door or dish racks.
- **DO NOT** tamper with controls.
- **If hot water has not been used recently (usually two weeks or longer), hydrogen gases may build up in the water heater and the hot water pipes. HYDROGEN GAS IS EXPLOSIVE. To prevent injury or damage, before using your dishwasher, turn on all hot water faucets and allow water to run for several minutes. This will allow gases to escape. Do not smoke or use any open flame near the faucet while it is open.**
- **Disconnect electrical power to the dishwasher before attempting to service.**
- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can create a fire hazard or explosion.

– SAVE THESE INSTRUCTIONS –

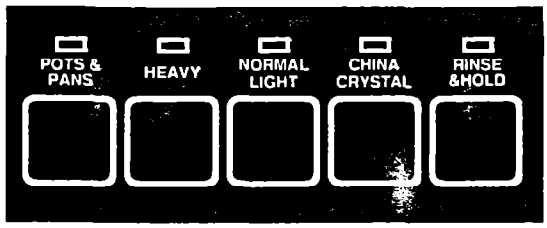
Operating Instructions

The drawings in this book may vary slightly from your dishwasher model. They are designed to show the different features of all the models covered by this book.

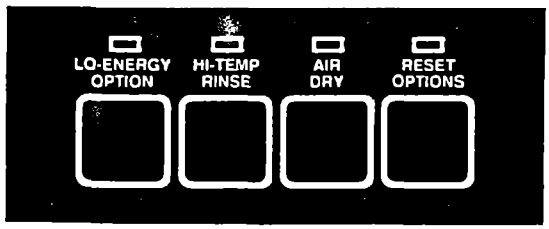
NOTE: Your model may not include all the features shown.

Before starting your dishwasher

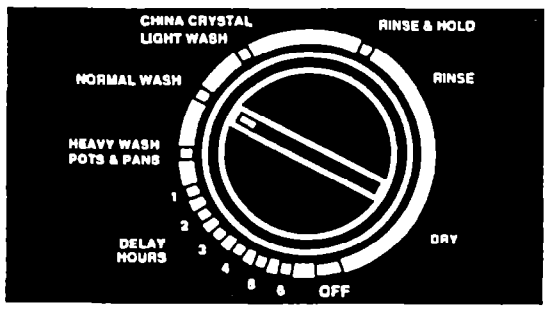
1. Properly load the top and bottom racks, and silverware basket. See pages 9, 10 and 11.
2. Spin the Upper and Lower Spray Arms to make sure nothing will stop them from turning freely.
3. Add detergent. See page 12.
4. Check rinse agent dispenser. See page 13.
5. Push door firmly when closing and it will automatically latch.
6. Run hot water at sink nearest dishwasher until it is hot. Turn it off.



Cycle selector buttons



Option selector buttons



Cycle control knob

Starting your dishwasher

1. Push a Cycle Selector Button for the desired cycle. Normal Wash and Light Wash Cycles share the same button. The Cycle Control Knob determines which cycle operates.

2. Push an Option Selector Button for each desired option. (Use AIR DRY for Rinse & Hold Cycle.) The indicators above the buttons will show which cycle and option(s) have been selected.

3. Turn Cycle Control Knob clockwise to point to a desired cycle. Heavy Wash and Pots & Pans Cycles share the same spot on the dial. China Crystal and Light Wash Cycles also share a spot on the dial. The Cycle Selector Buttons determine which cycle operates.

   You will feel a definite stop at each cycle mark. The dishwasher will automatically start that cycle.

NOTE: If the door is latched, you will hear cycles start and stop as the knob passes each cycle mark. This is normal and will not hurt the dishwasher. If you prefer, you can set cycles with the door unlatched.

To add a dish after starting

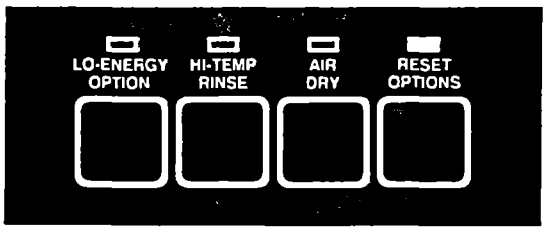
1. To be sure the added item is washed and rinsed, make sure the Cycle Control Knob has not passed LIGHT WASH.
2. Lift up on the door latch to unlatch door and stop the cycle. Don't open the door until the spray arms stop spinning.
3. Open the door and add the dish.
4. Close the door. **Do not latch it.** Wait 30 seconds for air in the dishwasher to warm up. This helps reduce the amount of moisture that can come from the vent when restarting the cycle.
5. Press door in to latch it. The dishwasher will start where it stopped.

Changing a cycle setting

You can change a setting anytime during any cycle.

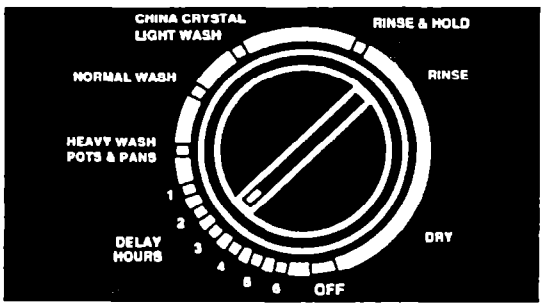
1. Lift up on the door latch to unlatch the door and stop the cycle. Do not open the door until the spray arms stop spinning.

2. Turn the Cycle Control Knob clockwise to the cycle you want.
3. Be sure the detergent dispensers are filled properly for the new cycle. When changing the dial from LIGHT WASH or CHINA CRYSTAL to POTS & PANS, HEAVY WASH or NORMAL WASH setting, detergent is released. Reload covered section of dispenser before starting Pots & Pans, Heavy Wash or Normal Wash Cycles.
4. Close and latch the door. The dishwasher will automatically start the new cycle.



Changing an option

If you want to change a selected option, push the RESET OPTIONS Button. Re-select an option, if desired.



Using delay wash

You can set the dishwasher to start a cycle from 1 to 6 hours later.

1. Push desired Cycle Selector Button.
2. Push desired Option Selector Button(s).
3. Turn Cycle Control Knob clockwise to the number of hours (from 1 to 6 hours) you want the dishwasher to delay before the selected cycle starts.
4. Close and latch the door. The DELAY Signal Light will come on until the selected cycle starts.

NOTE:

- You can add items while time is counting down. Close and latch the door. The timer will not advance if the door is unlatched.
- The Rinse & Hold, Light Wash and China Crystal Cycles cannot be delayed.

The water heating signal light

The WATER HEATING signal light will come on if the dishwasher is heating the wash or rinse water. Water is heated during parts of the Pots & Pans Cycle. Water is also heated during parts of other cycles when the Hi-Temp Rinse Option is selected or the Lo-Energy Option is not selected (see page 8).

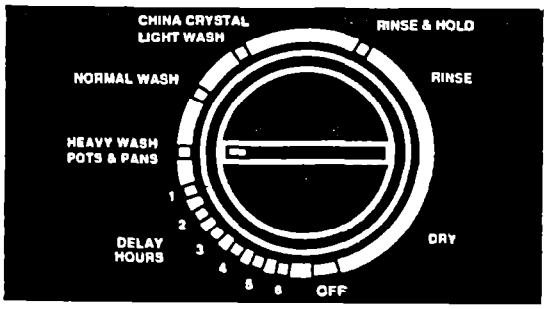
The clean signal light

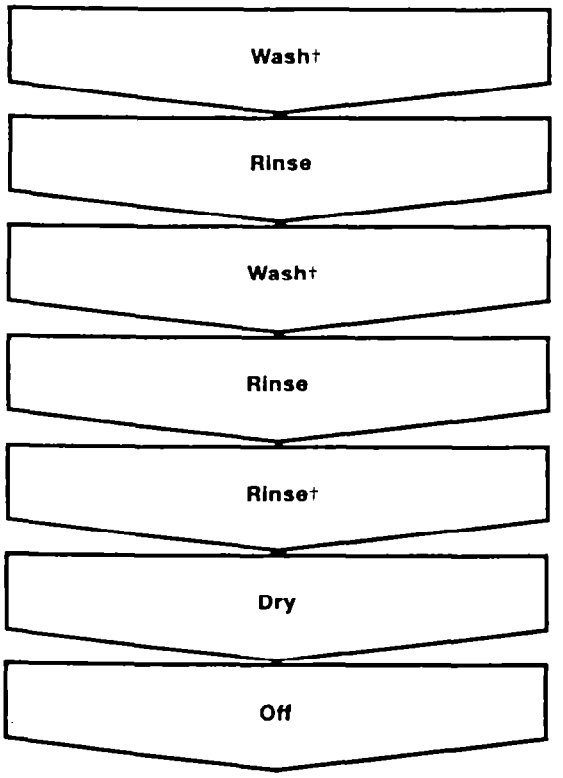
The CLEAN Signal Light will come on when a washing cycle is complete. To turn it off, turn the Cycle Control Knob clockwise **slightly** until the light goes off.

What happens in each cycle

Pots & Pans Cycle

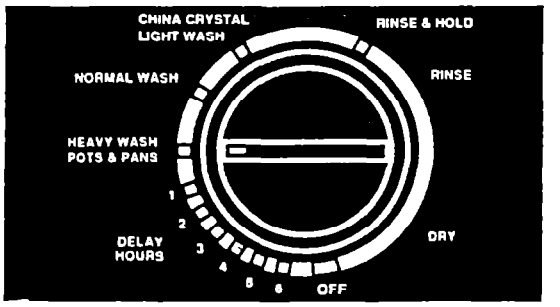
A double wash with maximum cleaning for cooked-on or baked-on foods. Timer delays while the dishwasher heats the water to 140°F (60°C) in both washes and the last rinse (marked †). Cycle time* is about 1½ to 2 hours, depending on time needed to heat water.

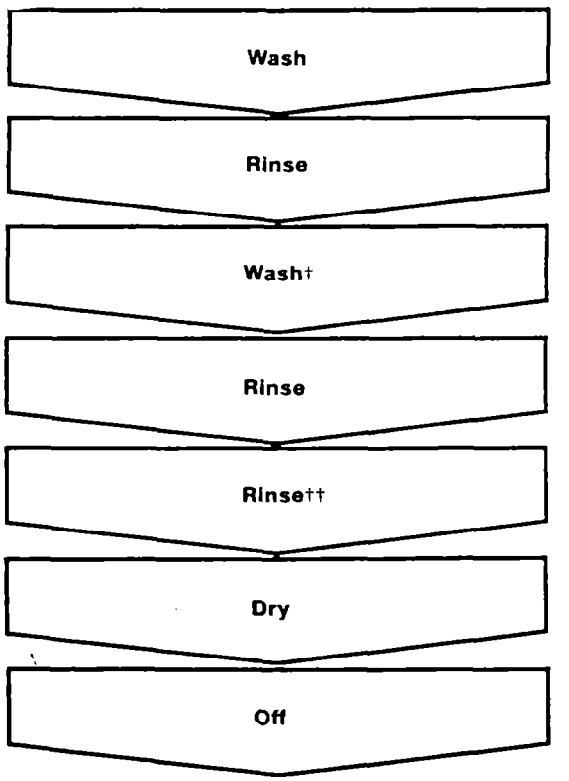




Heavy Wash Cycle

A double wash for heavily soiled loads. Cycle time* is about 78 minutes plus the time needed to heat the water to 140°F (60°C) in the main wash (marked †) if Lo-Energy Option is not selected and the last rinse (marked ††), if Hi-Temp Rinse Option is selected.

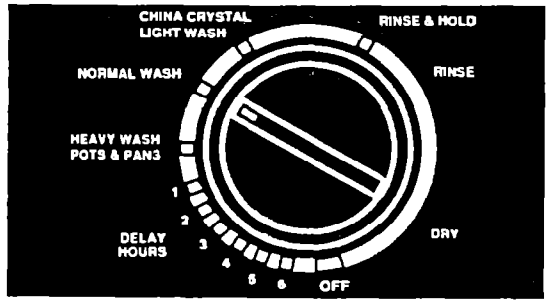


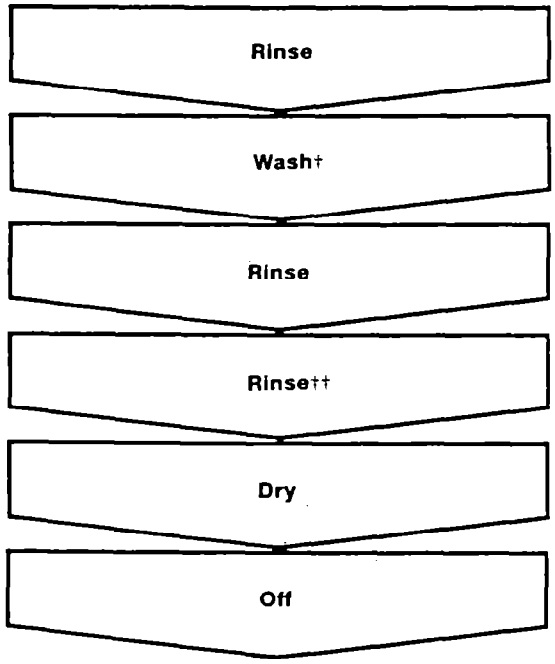


*Cycle time includes heated dry times.

Normal Wash Cycle

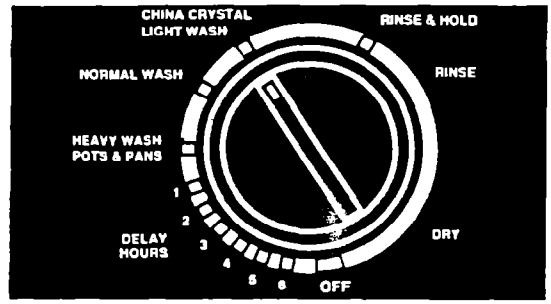
A single wash for normal, everyday soiled loads. (The Energy Guide Label is based on this cycle.) Cycle time* is about 70 minutes plus the time to heat the water to 140°F (60°C) in the wash (marked †) if Lo-Energy Option is not selected and the last rinse (marked ††), if Hi-Temp Rinse Option is selected.

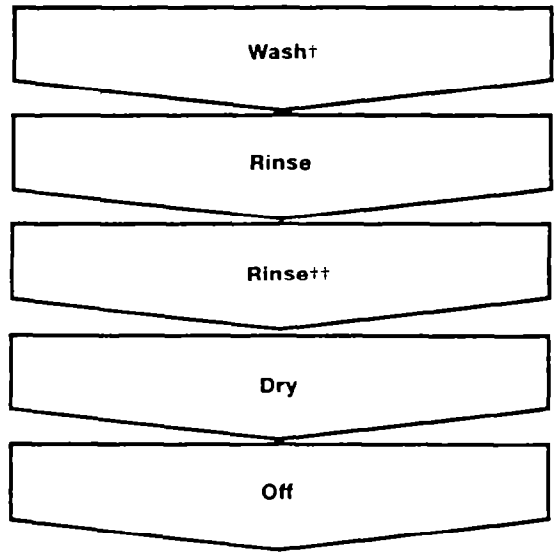




Light Wash Cycle

A single wash for pre-rinsed or lightly soiled loads. Cycle time* is about 62 minutes plus the time needed to heat water to 140°F (60°C) in the wash (marked †) if Lo-Energy Option is not selected and the last rinse (marked ††), if Hi-Temp Rinse Option is selected.

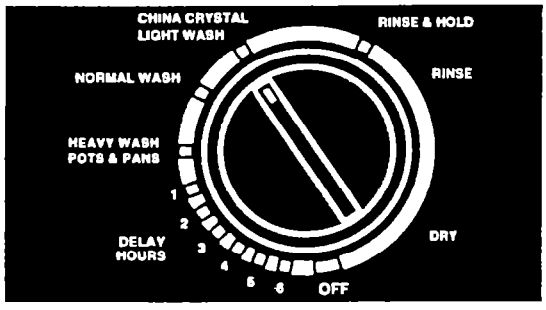


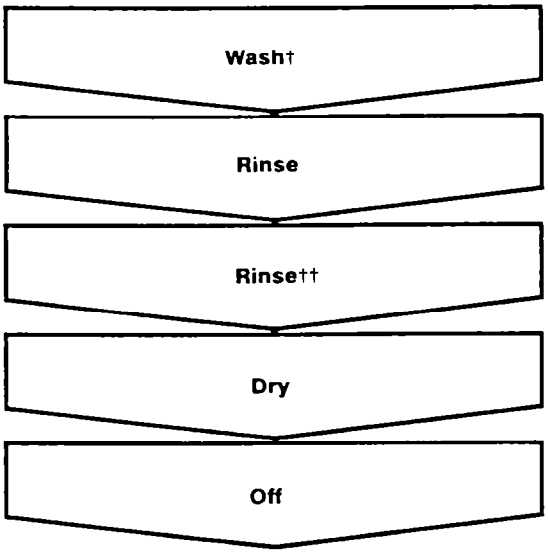


*Cycle time includes heated dry time.

China Crystal Cycle

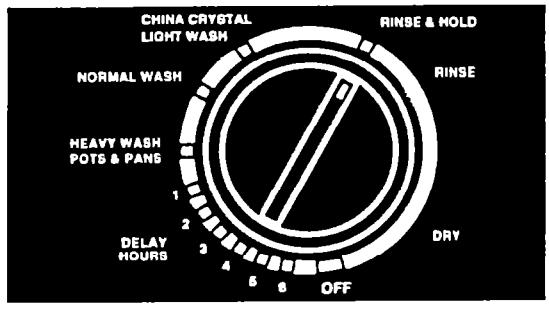
A light wash and gentle dry for china and crystal. Cycle time* is about 62 minutes plus the time needed to heat water to 140°F (60°C) in the wash (marked †) if Lo-Energy Option is not selected and the last rinse (marked ††), if Hi-Temp Rinse Option is selected.

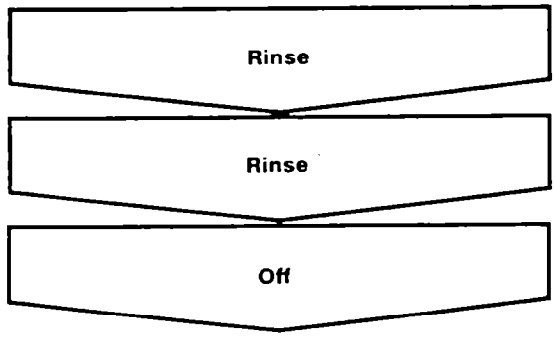




Rinse & Hold Cycle

For rinsing a few items to be washed one or more days later. Cycle time is about 14 minutes. Do not use detergent.





*Cycle time includes heated dry time.

What happens in each option

Water heating

The dishwasher will heat water during portions of the Pots & Pans, Heavy Wash, Normal, Light Wash and China Crystal Cycles to improve washability (see pages 6, 7 and 8). The Cycle Control Knob does not move while the water is heating. The heating time is based on the temperature of the water supply as it enters the dishwasher. The cooler the water, the longer the heating time. When the water temperature reaches 140°F (60°C), the Cycle Control Knob will begin moving again. If the water supply is already hot enough, the dishwasher will not pause.

Lo-Energy Option

The dishwasher will not heat the wash water as described above when the Lo-Energy Option is selected. This will reduce the amount of electricity needed to run the dishwasher, but loads may not wash as well if the water supply temperature is too low.

Hi-Temp Rinse Option

When this option is selected, water for the final rinse is heated to 140°F (60°C). Use this option to help dry dishes faster and reduce spotting. If the water is already hot enough, the cycle continues without delay.

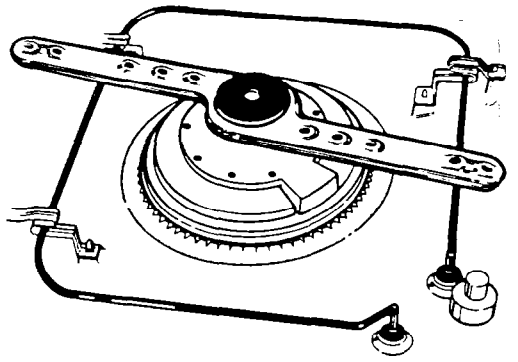
Air Dry Option

Air in the dishwasher is automatically heated during the "dry" part of all cycles except Rinse & Hold.

If the Air Dry Option is selected, air in the dishwasher is not heated. Using this option helps save energy, but dishes take longer to dry (overnight) and some spotting may result. Some items (such as plastics) may need towel drying.

For best drying results, use a liquid rinse agent such as Jet-Dry.®

Proper Loading



Preparation for loading

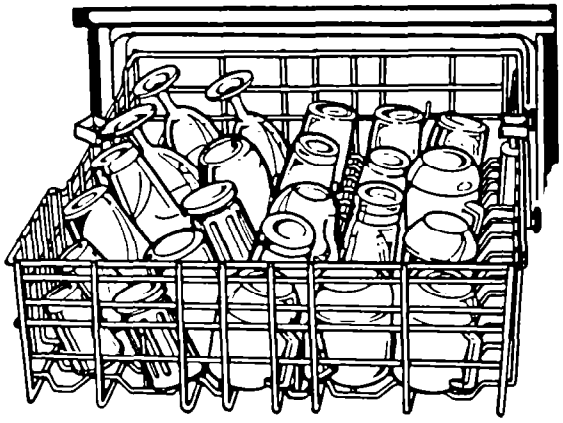
It is not necessary to rinse dishes before putting them into the dishwasher. Just remove large pieces, bones and other hard items. The POWER CLEAN™ Module will remove food particles from the water. It contains a chopping device which will reduce the size of food items.

If hard items such as fruit seeds, nuts and egg shells enter the POWER CLEAN Module, you might hear chopping, grinding, crunching or buzzing sounds. Those sounds are normal when hard items enter the module. **Do not** let metallic items (i.e. pot handle screws) get into the POWER CLEAN Module. This could result in damage to the POWER CLEAN Module.

Always load dishes so soiled surfaces are reached by spray from rotating spray arms. Water must be able to drain off completely for best drying results. Be careful to separate items so spray can reach all surfaces.

Top rack loading

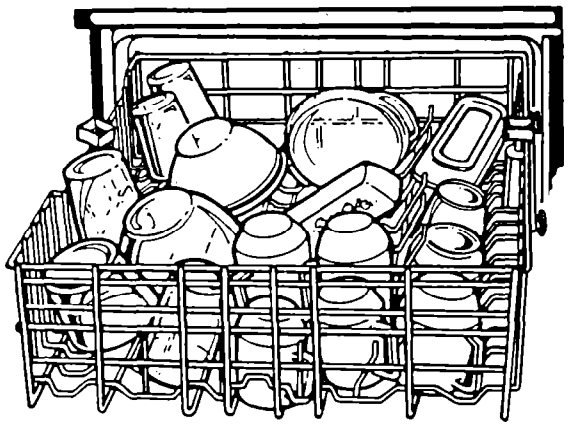
The top rack is designed for cups, glasses and smaller items.



Cup and glass load

Cup and glass load

- Place so open ends face down for cleaning and draining.
- **Load glasses in top rack only.** Bottom rack is not designed for glasses. Damage may occur.
- Place items in the rows **between** prongs. Placing them **over** the prongs can lead to breakage.
- Be sure lightweight items are held firmly in place.
- China, crystal and other delicate items must not touch each other during dishwasher operation. Damage may occur.



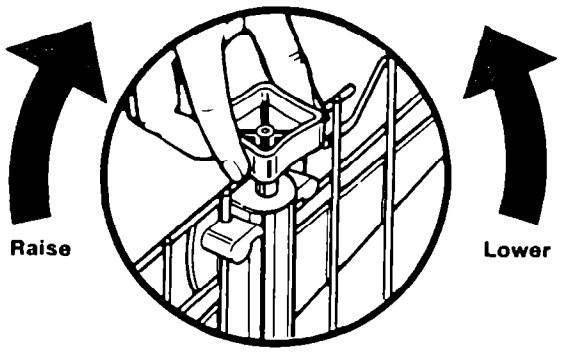
Mixed load

Mixed load

- Load plastic items **only in the top rack.** Only plastic items marked "dishwasher safe" are recommended.
- Load plastic items so the force of the spray does not move them during the cycle.
- Plastic items can be melted in the bottom rack.

Utensil load

- Small bowls, pans and other utensils can be placed in the top rack.



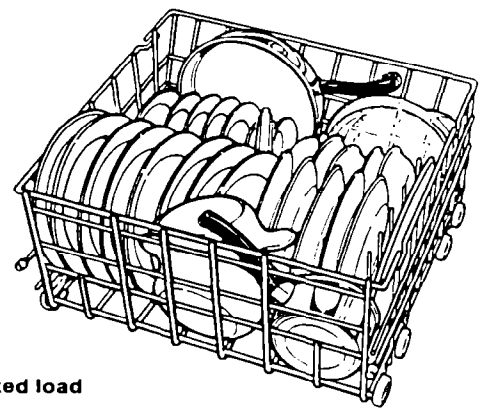
Adjustable top rack

The top rack does not have to be level.

- Raise or lower one or both sides to help fit tall items in the top or bottom rack.
- Turn knob clockwise to raise a side.
- Turn knob counterclockwise to lower a side.

Bottom rack loading

Items with cooked-on or dried-on food should be loaded in the bottom rack, with soiled surfaces facing inward to the spray.



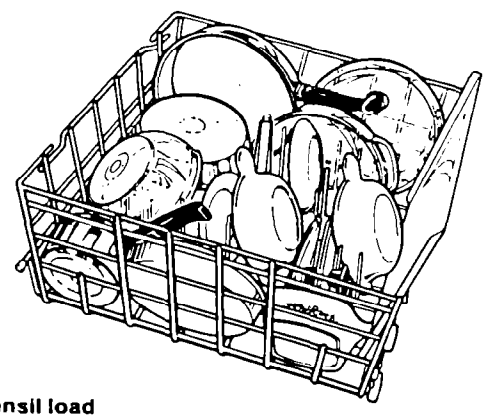
Mixed load

Mixed load

- Make sure pot handles and other items do not stop rotation of either the upper or lower spray arm. Spray arms must move freely.
- Load items so they do not block or cover the spray tower.
- Securely place heavily soiled cookware face down in rack.

Dish load

- Place plates, soup bowls, etc., **between** prongs and facing inward to the spray.
- Do not place items directly over spray tower.



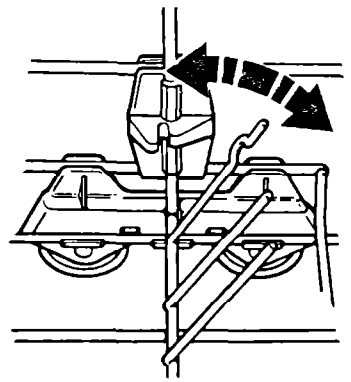
Utensil load

Utensil load

- Load cookie sheets, cake pans and other large items at sides and back. Loading such items in front may keep water spray from reaching detergent dispenser and silverware basket.

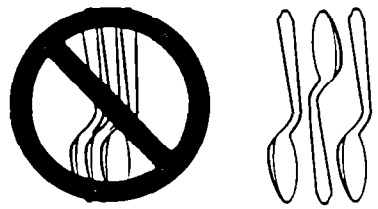
NOTE:

- Do not load glasses, cups or plastic items in the bottom rack.
- When lower rack is removed, replace with bumpers in front.



Fold down divider (on models so equipped)

A fold down divider at the back of the rack can be lowered to make room for deep bowls, roasters, etc.



Silverware basket loading

Load forks and spoons so they **don't nest together.** Spray can't reach nested items.

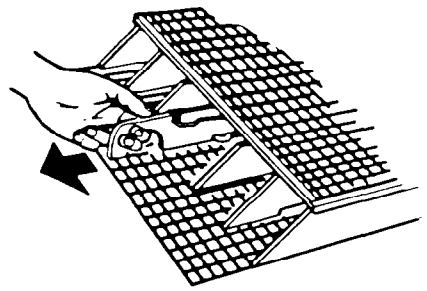
Mix items in each section of the basket. Small items – baby bottle caps, jar lids, etc. – can be put in any section.

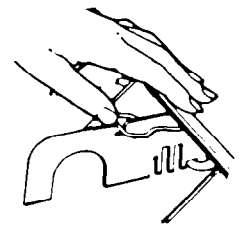
The silverware basket can be loaded while it's in place on the door, or it can be taken out for loading on the counter or table.

It can also be removed for easy unloading. Always unload or remove the basket before unloading the racks to avoid spilling water droplets on the silverware.

To remove the basket, slide it toward the top of the door – by the handle. Lift it off the holding buttons.

To replace the basket, set it on the holding buttons. Slide the basket toward the bottom of the door until it locks in place.



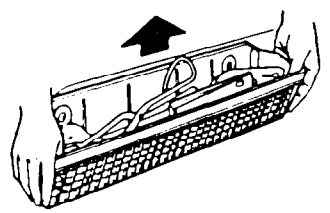


To open the basket, unhook the latch as shown. Be sure the cover is completely latched before pulling out the bottom rack and before closing the dishwasher door.

⚠WARNING

Personal Injury Hazard

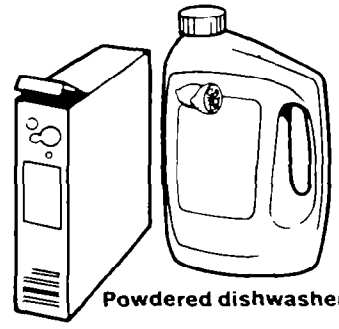
To avoid cuts from sharp items (knives, forks, skewers, etc.), make sure these items are put in point down.



Cutlery basket loading

Remove and replace the cutlery basket in the same way as the silverware basket. Use the cutlery basket for long items. Remove the basket and tip contents onto a cutting board to unload. This can help avoid accidents with sharp points and edges.

Adding Detergent



See phosphorus content on product labels.

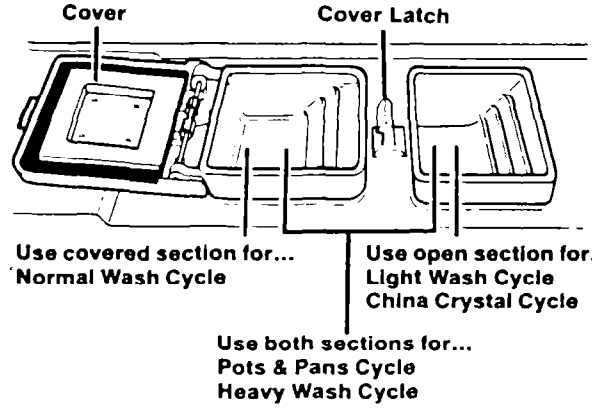
What kind of detergent to use

Use automatic dishwasher detergent only.

Other detergents are too mild and much too sudsy to work in the dishwasher.

Different brands of dishwasher detergent have different amounts of phosphorus for softening water. If water is hard and phosphorus content is low (6.0% or less), you may need to use more detergent or use a brand with a higher phosphorus content (8.7% or higher).

Do not add detergent until you are ready to wash. **Fresh automatic dishwasher detergent is necessary for best washing results.** Store detergent tightly closed in a cool, dry place.



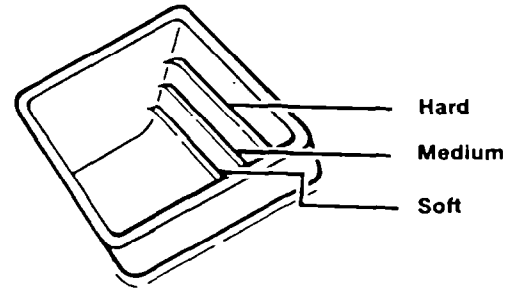
The detergent dispenser

The detergent dispenser has one section with a cover and one without.

- For cycles with one wash, put detergent in one section only.
  - Use the **open** section if the cycle begins with a wash.
  - Use the **covered** section if the cycle begins with a rinse.
- For cycles with two washes, put detergent in both sections.
- Push the cover down until it is latched.

Detergent in the open section falls into the dishwasher when the door is closed. The covered section opens automatically when the main wash starts.

NOTE: It is normal for the cover to open partially when dispensing detergent. The cover will open fully when the door is opened.



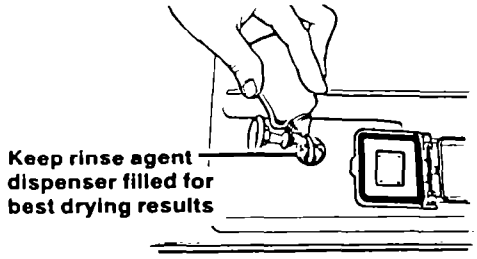
How much detergent to use

The amount of detergent to use depends on the hardness of your water. If too little is used, dishes won't be clean. However, if too much is used in soft water, glassware will begin to etch.

Find out your water's hardness by asking your local water department, water softener company or county extension agent.

- **HARD** – Fill 1 or both sections to top line if water hardness is 8 or more grains per gallon, or 136 or more parts per million.
- **MEDIUM** – Fill 1 or both sections to middle line if water hardness is 5 to 7 grains per gallon, or 85 to 119 parts per million.
- **SOFT** – Fill 1 or both sections to bottom line if water hardness is 0 to 4 grains per gallon, or 0 to 68 parts per million.

Using Rinse Agent Dispenser



Keep rinse agent dispenser filled for best drying results

Rinse agent dispenser

Keep the rinse agent dispenser filled with a liquid rinse agent such as Jet-Dry.® **A rinse agent greatly improves the drying of dishes by helping water flow off of them during the last rinse.** A rinse agent also keeps water from forming droplets and drying as spots. A small amount of rinse agent is automatically released into the rinse water during the final rinse of each cycle.

For best drying results, check the dispenser periodically to see if it needs refilling. The center of the Fill Indicator Cap will be clear when dispenser needs refilling. An "E" will also be visible inside the dispenser when the cap is removed and the dispenser is empty.

The dispenser will hold 6 ounces of rinse agent. Under normal conditions, this will last about 3 months. You do not have to wait until the dispenser is empty to refill it, but do not overfill it.

Make sure the dishwasher door is fully open when filling the dispenser. Do not fill past the smallest opening in the lower part of the dispenser. If you overfill, excess rinse agent can come out. This will not harm the dishwasher, but could cause over-sudsing. Clean up any spilled rinse agent with a damp cloth. Replace the Fill Indicator Cap and keep it tightly closed.

NOTE: Because your dishwasher is designed to use a liquid rinse agent, you do not need to use a solid or bar-type rinse agent.

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For Best Results

Hot water is a must

Hot water dissolves and activates the dishwashing detergent. Hot water dissolves grease on dishes and helps dry glasses spot-free. Make certain loads are washed in hot water. Three ways to have a reliable hot water supply...

1. Maintain a 140°F (60°C) water supply at central water heater. To check water temperature, turn on hot water faucet nearest the dishwasher. Let water run until it is as hot as possible, then check with a candy or meat thermometer. If the temperature at the faucet is below 135°F (57°C), have a qualified person raise the water heater thermostat setting.
2. Do not use Lo-Energy Option. When this option is off, a thermostat will delay the cycle while the dishwasher heats the water until the temperature reaches 140°F (60°C).
3. Use Hi-Temp Rinse Option. If water heating is needed, a thermostat will delay the cycle while the dishwasher heats the water until the temperature reaches 140°F (60°C).

NOTE: When Lo-Energy Option is off and/or Hi-Temp Rinse is used **and** the water is hot enough at the start, the cycle will proceed with no delay. This lets you turn down your water heater, if you choose, without cutting back on hot water needed for good dishwashing.

Quiet operating tips

To avoid thumping and clattering noises during operation:

- Make sure lightweight load items are secured in the rack.
- Make sure pot lids and handles, pizza pans, cookie sheets, etc. do not touch interior walls or interfere with either of the spray arms rotation.
- Load dishes so they **don't** touch one another.

NOTE: Keep sink drain plugs inserted during dishwasher operation to prevent noise transfer through drains.

Special tips

Remember, use your dishwasher only for the job it was designed to do. Some items are not dishwasher safe or may require special care. Read these special tips for the following items:

Aluminum: Aluminum loses its bright, shiny appearance and darkens in color due to minerals in the water and the alkalinity of the dishwasher detergent. Colored aluminum may fade.

> **TIPS:** If washed in the dishwasher avoid placing directly in front of detergent dispenser where it could be sprinkled with undissolved detergent, causing spotting, pitting, and discoloration. Follow utensil manufacturer's cleaning instructions.

China: Check manufacturer's recommendations. Hand-painted, metal-trimmed, and antique china fade due to high water temperatures and alkaline detergent solution in the dishwasher.

NOTE: Delicate, antique items should not be washed in the dishwasher.

> **TIPS:** Load china carefully. **Do not** allow pieces to touch each other. Test one piece by washing it daily in the dishwasher for several weeks. Then compare it with the rest of the set to see if colors have changed.

Crystal and decorative glasses: Crystal can break from sudden exposure to high water temperature. Metal trim and colorful decoration on glass will fade in time when washed in the dishwasher. **NOTE:** Delicate, antique items should not be washed in the dishwasher.

> **TIPS:** Load crystal carefully in **top rack only**. Be sure to load a few larger items in the bottom rack to reduce amount of force of water spray reaching glassware from lower spray arm. Use the shortest cycle.

Flatware: Salty and acidic food may tarnish silver and stainless flatware if allowed to remain on the utensils. A film may form on sterling silver and silver plate items washed in a dishwasher. This film is caused by reaction of silver with chlorine in the detergent. **Gold flatware is not dishwasher safe.** The adhesive used in some flatware with hollow handles is not heat resistant, causing the handles to come off in the dishwasher. Wash by hand.

> **TIPS:** Rinse flatware as soon as possible, especially if it is not to be washed right away. Dishwasher detergent may remove antique finishes. Wash by hand. Tarnish and film build-up can be removed with silver polish.

Cast iron utensils: The seasoned finish will be removed in the dishwasher. Rusting will result.

> **TIPS:** Wash by hand. To re-season, coat with unsalted fat and heat in a slow oven for an hour or two.

Plastics: Many plastics will have "Dishwasher Safe" written on them. Some plastics are heat sensitive and may melt or warp.

> **TIPS:** If in doubt, try one piece. Place in upper rack only. Air Dry Option provides additional protection.

Non-stick finish utensils: Most can be washed in the dishwasher.

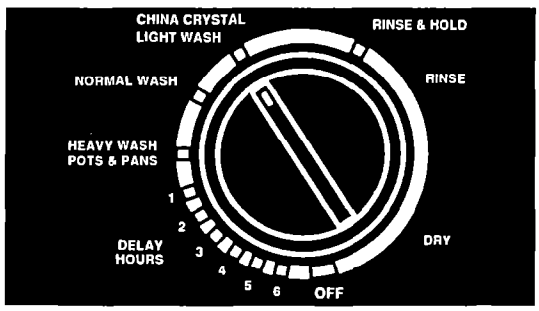
> **TIPS:** Follow manufacturer's suggestions.

Wood: Many wooden items will crack and warp or lose their finish.

TIPS: Do not wash cutting boards, wooden salad bowls or knives with wooden handles in the dishwasher.

Pewter or pewter-like materials: Items may streak, discolor, and pit.

TIPS: To keep pewter at its very best, hand wash with mild detergent.

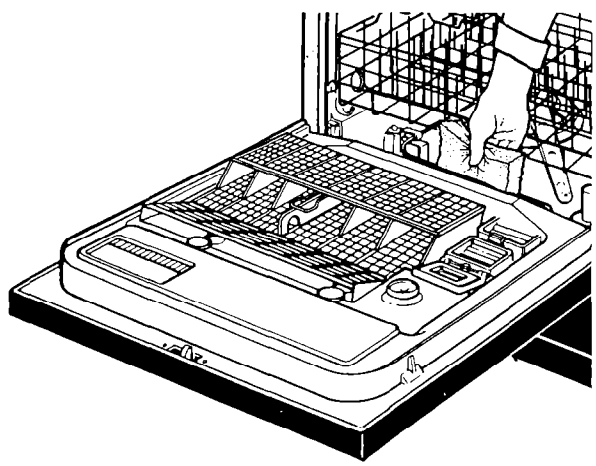


Energy saving tips

You can help save energy if you:

1. **Wash full loads.** Running a half-filled dishwasher uses the same amount of electricity and hot water as a fully loaded machine.
2. **Use the Light Wash Cycle whenever possible.** It uses less hot water and energy than other cycles.
3. **Air dry dishes** when you don't need a rapid drying cycle. Allow longer drying times (overnight). Use a rinse agent to improve drying.
4. **Load correctly** for best washing results. Incorrect loading may cause poor washing and the need to rewash all or part of the load.
5. **Do not pre-rinse normally soiled dishes.** Select the correct cycle for the load and use the recommended amount of detergent for good washing results without hand rinsing.
6. **Use your dishwasher** during off-peak hours. Local utilities recommend this to avoid heavy usage of energy at certain times of day.
7. **Select the Lo-Energy Option.** The automatic water heating in the main wash will be turned off.

   NOTE: Loads may not wash as well if the water temperature is too low.



Dishwasher care & cleaning

Exterior – Regular use of a soft, damp cloth or sponge and a mild detergent is all that is necessary, in most cases, to keep the outside of your dishwasher nice looking and clean.

Interior – Hard water minerals may cause a white film to build-up on the inside surfaces, especially just beneath the door area. To clean dishwasher interior:

1. Apply powdered dishwasher detergent to a damp sponge to make a paste.

   OR

2. Use liquid automatic dishwasher detergent and clean with damp sponge.

Wear rubber gloves. **Do not** use any type of cleanser other than automatic dishwasher detergent because it may cause foaming or sudsing.

Common Dishwashing Problems

Spotting and filming

Hard water

Fill detergent dispensers to capacity. Use dishwasher detergent with highest available phosphorus content. May be necessary to install water softener.

To remove spots and film, try a vinegar rinse...

1. Wash and rinse load as usual. Use Air Dry Option.
2. Remove all metal items.
3. Put 2 cups (500 mL) white vinegar in a container on the bottom rack.
4. Run dishwasher through a complete washing cycle.

Water is not hot enough

Water temperature should be at least 140°F (60°C). Set water heater thermostat to a higher setting. Run water at sink until hot before starting and **do not** use Lo-Energy Option.

Not enough detergent, or improper detergent

Use more dishwasher detergent. Use detergent with highest available phosphorus content...especially with hard water.

"Old" detergent

Use only fresh dishwasher detergent. Store **tightly closed** container, in cool, dry place. Discard old detergent. Do not fill dispensers until ready to start dishwasher.

Improper loading

Make sure dishes and glassware are loaded so spray reaches all surfaces and items drain properly. Do not overload. Do not nest items. Make sure large items do not block spray from reaching detergent dispensers.

No rinse agent

Does the rinse agent dispenser need filling? See instructions on page 13.

AIR DRY Setting used

Drying without heat may result in some spotting of glasses and silver.

Small particles deposited on items

Spray arm not rotating freely

Check spray arms to make sure they turn freely after loading. Be sure a utensil has not prevented their turning.

"Old" detergent

Use only fresh dishwasher detergent. Store **tightly closed** container, in cool, dry place. Discard old detergent. Do not fill dispensers until ready to start dishwasher.

Not enough detergent, or improper detergent

Use more dishwasher detergent. Use detergent with highest available phosphorus content... especially with hard water.

Water is not hot enough

Water temperature should be at least 140°F (60°C). Set water heater thermostat to a higher setting. Run water at sink until hot before starting and **do not** use Lo-Energy Option.

Water pressure may be low, dishwasher is not filling properly

If water pressure is low, do not use water for other purposes while dishwasher is running (to assure correct fills).

Dishes not dry

No rinse agent

Does the rinse agent dispenser need filling? See instructions on page 13.

Water is not hot enough

Water temperature should be at least 140°F (60°C). Set water heater thermostat to a higher setting. Run water at sink until hot before starting and use Hi-Temp Rinse Option.

Improper loading

Make sure dishes and glassware are loaded so spray reaches all surfaces and items drain properly. Do not overload. Do not nest items.

AIR DRY Setting used

Allow more time when using Air Dry Option. Plastic items may need towel drying.

Black marks on dishes

Aluminum utensils rubbing against items during washing

Use care in loading aluminum utensils, especially any lightweight foil container. Place so they do not touch dishes. Remove black marks with plastic scouring pad and a mild abrasive cleanser.

Chipping or breaking glassware

Improper loading

Do not overload. Load glasses in the top rack only. Load between prongs, not over them. Glasses loaded over prongs will not be supported and may chip or break.

Dishes not washing clean

Water is not hot enough

Water temperature should be at least 140°F (60°C). Set water heater thermostat to a higher setting. Run water at sink until hot before starting and **do not** use Lo-Energy Option.

Improper loading

Make sure dishes and glassware are loaded so spray reaches all surfaces and items drain properly. Do not overload. Do not nest items. Make sure large items do not block spray from reaching detergent dispensers.

Spray arm or arms not rotating freely

Check spray arms to make sure they turn freely after loading. Be sure a utensil has not prevented their turning.

Not enough detergent or improper detergent

Use more dishwasher detergent. Use detergent with highest available phosphorus content... especially with hard water.

"Old" detergent

Use only fresh dishwasher detergent. Store **tightly closed** container, in cool, dry place. Discard old detergent. Do not fill dispensers until ready to start dishwasher.

Water pressure may be low, dishwasher is not filling properly

If water pressure is low, do not use water for other purposes while dishwasher is running (to assure correct fills).

Cloudy film on glassware, etching – permanent corrosion

Too much detergent in soft water

Check for rainbow hue on glasses. A rainbow hue is the first sign of etching (corrosion of glass). Reduce the amount of dishwasher detergent. Use a detergent with a lower phosphorus content.

Inadequate rinsing

If water pressure is low do not use water for other purposes while dishwasher is running (to assure correct water fills). Make sure dishes and glassware are loaded properly to assure adequate rinsing and draining. Do not overload.

Dishes & interior of dishwasher yellow or brown

Iron or manganese in water

Temporary remedy:

1. Set empty dishwasher for a "one wash" cycle.
2. Start dishwasher and unlatch door to stop it when it has filled for the wash part of the cycle.
3. Add ¼ to ½ cup (120 to 240 mL) of citric acid crystals (usually available in drugstores).
4. Close and latch door to complete cycle.

Permanent solution: Install an iron or manganese filter or water softener to home water supply.

Rust spots on stainless steel – OR – Dark spots on flatware: stainless steel, silver plate, or sterling

Allowing salty or acidic foods such as mayonnaise, vinegar, fruit juices, salad dressings, milk products to remain on flatware

Rinse flatware that is to stand for several hours before washing (use the Rinse & Hold Cycle). Clean stained items with silver polish and re-wash. **Do not** put stainless steel and silver flatware in the same silverware basket compartment. Direct contact between these metals can cause permanent damage to the silver.

Undissolved detergent coming in contact with flatware

Remove spots with silver polish. Avoid spilling concentrated detergent on wet flatware.

Bronze tarnish on silverplate

Silverplate is worn off. Exposed base metal takes on a bronzed hue

Remove tarnish with silver polish. Have silver replated.

Water left in bottom of dishwasher above grate

Dishwasher cycle not completed

Allow dishwasher to complete cycle. Some remaining water is normal and keeps seals from drying.

Clogged drain air gap

Some plumbing codes require use of a drain air gap between an **undercounter** dishwasher and the drain system of the house. The air gap is usually located above the sink or on the top of the counter near the dishwasher to prevent the possibility of water backing up from the drain into the dishwasher due to a plugged drain. The drain air gap is **not** a part of the dishwasher and is **not** covered by the dishwasher warranty. The drain air gap should be kept clean to ensure proper draining of the dishwasher.

If You Need Service Or Assistance

We suggest you follow these steps:

1. Before calling for assistance...

Performance problems often result from little things you can find and fix yourself without tools of any kind.

If your dishwasher will not run, or stops during a cycle:

- Is the door tightly closed and securely latched?
- Has the cycle been correctly set?
- Is the water turned on?
- Have you checked your home's main fuses or circuit breaker box?
- Is the dishwasher wired into a live circuit with the proper voltage?
- If the motor has stopped because of an overload, it will automatically reset itself within a few minutes. If the motor does not start, call for service.

If your dishwasher seems to run too long:

- Are you using Pots & Pans Cycle or Hi-Temp Rinse Option? The dishwasher may be waiting for the water to heat.

If dishwasher won't fill:

- Is overfill protector stuck in "up" position? Overfill protector should move up and down freely. Press down to release.

If water remains in the dishwasher:

- Has the cycle completed?
- A small amount of remaining water is normal.
- Is drain air gap clogged?

If detergent remains in the covered detergent cup:

- Is the bottom rack in backwards? (The rack bumpers should be at the front.)
- Is the dishwasher detergent fresh and dry without lumps?
- Is the cycle completed?

If white residue appears on front of access panel:

- Is more detergent being used than needed? See page 12 for recommended amounts of detergent.
- Some liquid detergents develop excess foam and build up on exterior of access panel. Try a different brand to reduce foaming and eliminate build-up.

If you hear grinding, grating, crunching, buzzing sounds:

- A hard object has probably entered the POWER CLEAN™ Module. The sound should stop when the object is ground up.

If dishes aren't as dry as you expected:

- Is the rinse agent dispenser filled? Using a rinse agent greatly improves drying. (See page 13.)

2. If you need assistance*...

Call Whirlpool Consumer Assistance Center telephone number. Dial free from anywhere in the U.S.:

1-800-253-1301

and talk with one of our trained consultants. The consultant can instruct you in how to obtain satisfactory operation from your appliance or, if service is necessary, recommend a qualified service company in your area.

If you prefer, write to:

Mr. Donald Skinner
Director of Consumer Relations
Whirlpool Corporation
2000 M-63
Benton Harbor, MI 49022

Please include a daytime phone number in your correspondence.

3. If you need service*...

Whirlpool SERVICE

Whirlpool has a nationwide network of authorized Whirlpool℠ service companies. Whirlpool service technicians are trained to fulfill the product warranty and provide after-warranty service, anywhere in the United States. To locate the authorized Whirlpool service company in your area, call our Consumer Assistance Center telephone number (see Step 2) or look in your telephone directory Yellow Pages under:

APPLIANCES – HOUSEHOLD – MAJOR – SERVICE & REPAIR
ELECTRICAL APPLIANCES – MAJOR – REPAIRING & PARTS
OR
WASHING MACHINES, DRYERS & IRONERS – SERVICING
WHIRLPOOL APPLIANCES
AUTHORIZED WHIRLPOOL SERVICE
SERVICE COMPANIES
XYZ SERVICE CO
123 MAPLE 999-9999

4. If you need FSP® replacement parts*...

FSP is a registered trademark of Whirlpool Corporation for quality parts. Look for this symbol of quality whenever you need a replacement part for your Whirlpool appliance. FSP replacement parts will fit right and work right, because they are made to the same exacting specifications used to build every new Whirlpool appliance.

To locate FSP replacement parts in your area, refer to Step 3 above or call the Whirlpool Consumer Assistance Center number in Step 2.

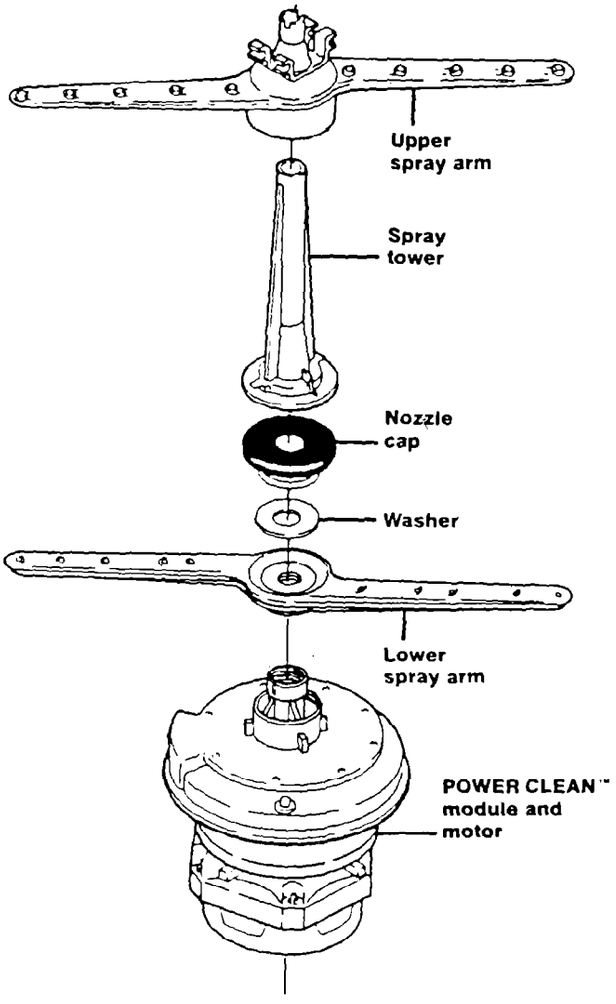
5. If you are not satisfied with how the problem was solved*...

- Contact the Major Appliance Consumer Action Panel (MACAP). MACAP is a group of independent consumer experts that voices consumer views at the highest levels of the major appliance industry.
- Contact MACAP only when the dealer, authorized servicer or Whirlpool have failed to resolve your problem.

  Major Appliance Consumer
  Action Panel
  20 North Wacker Drive
  Chicago, IL 60606
- MACAP will in turn inform us of your action.

*When requesting assistance, please provide: model number, serial number, date of purchase, and a complete description of the problem. This information is needed in order to better respond to your request.

POWER CLEAN™ washing system parts covered by your warranty



WHIRLPOOL®
Dishwasher Warranty

DW016

LENGTH OF WARRANTY	WHIRLPOOL WILL PAY FOR
FULL ONE-YEAR WARRANTY From Date of Purchase	FSP* replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by an authorized Whirlpool℠ service company.
LIMITED ONE-YEAR WARRANTY Second Year From Date of Purchase	FSP replacement parts for any part of the POWER CLEAN™ Washing System if defective in materials or workmanship. These parts are shown on page 19 of this book.
LIMITED NINE-YEAR WARRANTY Second Through Tenth Year From Date of Purchase	FSP replacement of the DURAPERM™ tub and/or inner door should they fail to contain water due to defective materials or workmanship.

WHIRLPOOL WILL NOT PAY FOR

A. Service calls to:
1. Correct the installation of the dishwasher.
2. Instruct you how to use the dishwasher.
3. Replace house fuses or correct house wiring or plumbing.

B. Repairs when dishwasher is used in other than normal, single-family household use.

C. Pickup and delivery. This product is designed to be repaired in the home.

D. Damage to dishwasher caused by accident, misuse, fire, flood, acts of God or use of products not approved by Whirlpool.

E. Any labor costs during limited warranties.

F. Repairs to parts or systems caused by unauthorized modifications made to the appliance.

WHIRLPOOL CORPORATION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages so this limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Outside the United States, a different warranty may apply. For details, please contact your authorized Whirlpool distributor or military exchange.

If you need service, first see the "Service and Assistance" section of this book. After checking "Service and Assistance," additional help can be found by calling our Consumer Assistance Center telephone number, **1-800-253-1301,** from anywhere in the U.S.

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